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**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled HIGH AGILITY FREQUENCY SYNTHESIZER PHASE-LOCKED LOOP, the specification of which is attached hereto;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States of PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s)

**None.**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Prior U.S. Provisional Application(s)

**None.**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

**None.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of first inventor: **Akbar Ali**

Inventor's signature 

Date 4/2/04

Residence: **9802 Eleventh Street, Garden Grove, CA 92844**

Citizenship: **USA**

Post Office Address: **Same as above**

Full name of second inventor: **James P. Young**

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence: **7325 Mt. Vernon Road SE, Cedar Rapids, IA 52403**

Citizenship: **USA**

Post Office Address: **Same as above**

Send Correspondence To:  
**Customer No. 000032856**

Prior Foreign Application(s)

**None.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of first inventor: **Akbar Ali**

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Residence: **9802 Eleventh Street, Garden Grove, CA 92844**

Citizenship: **USA**

Post Office Address: **Same as above**

Full name of second inventor: **James P. Young**

Inventor's signature James P. Young

Date 4/7/04

Residence: **7325 Mt. Vernon Road SE, Cedar Rapids, IA 52403**

Citizenship: **USA**

Post Office Address: **Same as above**

Send Correspondence To:  
**Customer No. 000032856**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Akbar Ali and James P. Young )  
App. No. : Unknown )  
Filed : Herewith )  
For : **HIGH AGILITY FREQUENCY** )  
**SYNTHESIZER PHASE-LOCKED** )  
**LOOP** )  
Examiner : Unknown )

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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
POWER OF ATTORNEY

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

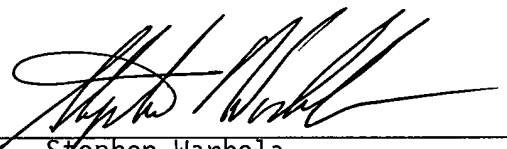
I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

**App. No.** : Unknown  
**Filed** : Herewith

The undersigned hereby appoints the registrants of Weide & Miller, Ltd., 7251 West Lake Mead Blvd., Suite 530, Las Vegas, NV 89128, telephone number (702)-382-4804 (Pacific Time), **Customer No. 000032856**, and Stephen Warhola, Registration No. 43,237, and Daniel N. Yannuzzi, Registration No. 36,727 of Skyworks Solutions, Inc., as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

SKYWORKS SOLUTIONS, INC.

Dated: April 7, 2004

By:   
Stephen Warhola  
Registration No. 43,237

Title: Chief IP Counsel

Address: 5221 California Avenue  
M/S 41-1C  
Irvine, California 92612

PATENT

Application No.: Not Yet Assigned  
Filing Date: Herewith

Docket: SKYWKS.0027P

ASSIGNMENT

WHEREAS, We, Akbar Ali, a United States citizen, residing at 9802 Eleventh Street, Garden Grove, CA 92844 and James P. Young, a United States citizen, residing at 7325 Mt. Vernon Road SE, Cedar Rapids, IA 52403 have invented certain new and useful improvements in a HIGH AGILITY FREQUENCY SYNTHESIZER PHASE-LOCKED LOOP for which we have executed an application for Letters Patent in the United States on even date herewith;

AND WHEREAS, Skyworks Solutions, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 5221 California Avenue, M/S 41-1C, Irvine, CA 92612, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) each to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6<sup>th</sup> day of April, 2004.

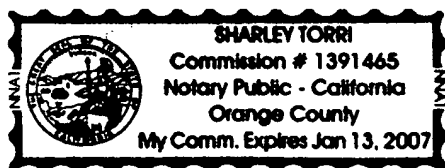
STATE OF CALIFORNIA  
COUNTY OF ORANGE ] ss.

Akbar Ali  
Akbar Ali

On April 6, 2004, before me, Sharley Torri, Notary personally appeared Akbar Ali personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Sharley Torri  
Signature

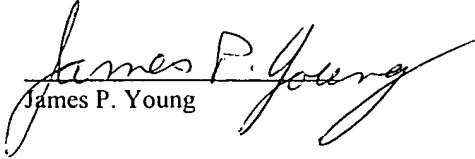
PATENT

Application No.: Not Yet Assigned

Filing Date: Herewith

Docket: SKYWKS.0027P

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of APRIL, 2004.

  
James P. Young

STATE OF

COUNTY OF

]] ss.

On 4/7/04, before me, Tricia Grawe personally appeared James P. Young personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

  
Signature

